

REMARKS**Concerning the Specification**

The specification has been amended to insert sequence identification numbers. No new matter has been added.

Applicants request consideration and entry of the Sequence Listing paper copy and computer readable copy. Pursuant to 37 C.F.R. 1.77, please enter the paper copy of the Sequence Listing after the Abstract.

Concerning the Drawings

The replacement drawing submitted herewith (Fig. 19) has been amended so as to include all of the appropriate sequence identification numbers.

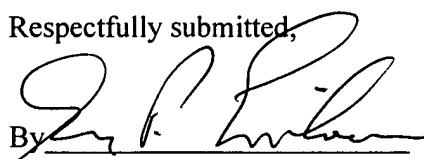
CONCLUSION

If it is determined that a telephone conference would expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number given below.

In the event the U.S. Patent and Trademark Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing docket no. 564462008100. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: September 24, 2004

Respectfully submitted,

By 

Gregory P. Einhorn

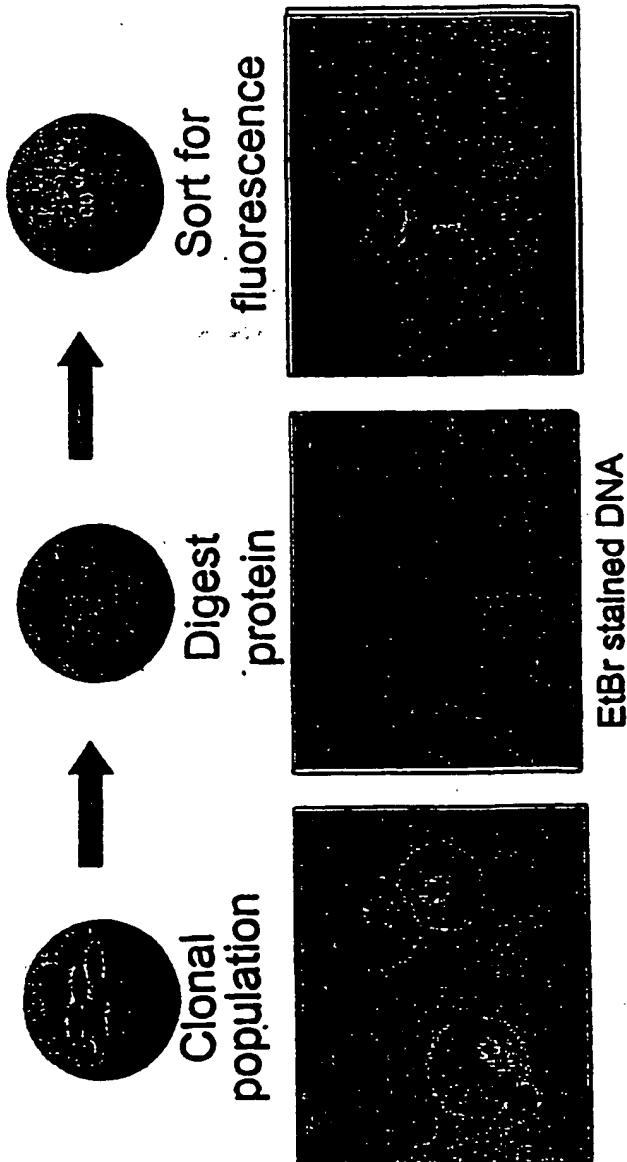
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AMENDMENTS TO THE DRAWINGS

The attached drawing sheet includes changes to Fig. 19. This sheet replaces the original sheet including Fig. 19.

Attachment: Replacement sheet
 Annotated marked-up sheet

FACS-Biopanning



Alignment of Environmental PKS Sequence

- STGCTSGLUSVGAVOLIREGSAADVIAGRADTPSPIVACFDIAKATTPENDPEHA
VSTGCTSGLUSVGAVGYATHTEGRADVCIAQASLSPSPITMACPDAIKATSPPNDDEHA
VBTGCTSGLUSVGAVGYATHIAAAGRADVCIAQASDSPSPITMACPDAILATSFSMDHUTETAA
VSA3CTSGISIGIAELIRECTDVAWAGTVDAPLAPITVADYVGGPAARALSTKHSKSPCAA
TATCTSGVHRIYGHARIYKGADVMVAGGABUSTPLVGGPAARALSTKHSKSPCAA
SPPDGTRHJFVTLARGAMPVLEYBAKRGHAYTASVGNUTATRCHAHTT31K0GJRF
SPFFDAHRIAFVNGEQAVLVEBLEHAPARGAHVTCI0VATEFGHAYHMT31K0GJRF
SEPFTRPNSPSPVNUJEGAVVLEELERAHARGAUVTCLFVATEFGHAYHMT31K0GJRF
SEPFSTSENGFVULGEZGAIVLSEHAARVREGARYIAF307ASGRNAYHMT31K0GJRF
SPMDKERDGFBVLD3AGLVLSEKRYTHAKRGKATYABLVUFGASSDAYHMT31K0GJRF
SPMDKERDGFBVLD3AGLVLSEKRYTHAKRGKATYABLVUFGASSDAYHMT31K0GJRF

HABITATBALDEA (SEQ ID NO: 5)
 MAPAIDVAKHIA (SEQ ID NO: 6)
 MARAJUTALDMA (SEQ ID NO: 7)
 KARANTBALDEA (SEQ ID NO: 8)
 ALAMARAKDA (SEQ ID NO: 9)

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